

Split

Work Order ID 79943 - (

\*79943\*

Page 1

Tuesday, February 07, 2012 3:08:51 PM

Item ID: D2011-101

Accept

\*N900040100\*

Setup Start

\*NS1\*

Revision ID:

Stop

\*NS2\*

Item Name: 6" Mirror

Start Date: 2/17/2012

Start Qty: ~~50.00~~

\*50\*

Cust Item ID:

Required Date: 2/17/2012

Req'd Qty: 50.00

\*50\*

Customer:

Reference:

Run Start

\*NR1\*

Approvals:

Process Plan:

Date: 12-02-7

Tooling:

Date:

Stop

\*NR2\*

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D2011

Rev G

100

0.00

\*100\*

Purchasing

PURCHASING

Memo

0.00

Purchasing

Issue P/O: 116133 Mirror P/N: CHM10601 Possible supplier:  
Auto Parts ExtraMaterial release note required

12-02-7  
50

110

Receive & Inspect for Damage & Mat'l Certs

0.00

\*110\*

Packaging

Memo

0.00

Packaging

Ensure material certification is attached

12/2/9 (50)

120

QC6- Inspect dimensions to drawing

0.00

\*120\*

QC

Memo

0.00

Quality Control

5/2/11

cuts  
420

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 79943

\*79943\*

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Tuesday, February 07, 2012 3:08:51 PM

Item ID: D2011-101 Accept \*N900040100\* Setup Start \*NS1\*  
Revision ID: Stop \*NS2\*  
Item Name: 6" Mirror

Start Date: 2/17/2012 Start Qty: 50.00 \*50\*  
Required Date: 2/17/2012 Req'd Qty: 50.00 \*50\*

Cust Item ID:  
Customer:

Reference:

Approvals: Process Plan: Date: Tooling: Date: Run Start \*NR1\*  
QC: Date: SPC (Y/N): Date: Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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130

\*130\*

Small Fab

Small Fab

Small Fab

Memo

1- Wrap mirror with plastic wrap

2- Discard Hardware & Install new hardware loosely

3- Crimp stud as per Dwg D2011

0.00

0.00

140

\*140\*

QC

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

4- Test assembly to 50lbs pull test after 24 hours

0.00

0.00

150

\*150\*

Packaging

Packaging

Identify as per dwg & Stock Location 224

Memo

0.00

0.00

EB 12/02/29 (8)

Sizlo/hg

(x8)

12/02/29 (8x) 50

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



**Work Order ID 79943****\*79943\***

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Tuesday, February 07, 2012 3:08:51 PM

Item ID: D2011-101 Accept **\*N900040100\*** Setup Start **\*NS1\***  
Revision ID: Stop **\*NS2\***  
Item Name: 6" Mirror

Start Date: 2/17/2012 Start Qty: 50.00 **\*50\*** Cust Item ID:  
Required Date: 2/17/2012 Req'd Qty: 50.00 **\*50\*** Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160	QC21- Final Inspection - Work Order Release	0.00							
<b>*160*</b>									
QC	Memo	0.00							
Quality Control									

MLJ 12/03/01

MLJ 12/03/01  
(8)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Tuesday, February 07, 2012 3:08:56 PM

Page 1

\*79943\*

\*D2011-101\*

Required Date: 2/17/2012

**Required Qty: 50.00**

**Comments:** IPP: J04.09.15Added Steps 5-7 KJ/JLM IPP:  
K05.12.15chg black sikaflex for white EC IPP L 08.11.06 new  
drawing EC verify: DD IPP: M 08.12.19 Added step 3 KJ Verified  
by: LL IPP rev N 10.01.13 added wrap per ncr09-118 EC verified by:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN960JD416L	NAS1149D0416J	Purchased	No			110	Each	8.0000	1	50			
<p><b>*AN960.ID416I</b> * <i>HD M119124 (50x)</i></p> <p>Washer</p>													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				FP002				8					
					110153			8					
CHM-10601		Purchased	No			130	Each	0.0000	1	50			
<p><b>*CHM-10601*</b></p> <p>Mirror 6"</p>													
D2829		Manufactured	No			130	Each	42.0000	1	50			
<p><b>*D2829*</b></p> <p>Threaded Stud</p>													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				GA				42					
					72236			6					
					76190			36					
D3014-1		Manufactured	No			130	Each	162.0000	1	50			
<p><b>*D3014-1*</b></p> <p>Locknut</p>													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST023				162					
					18605			62					
					79705			100					

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

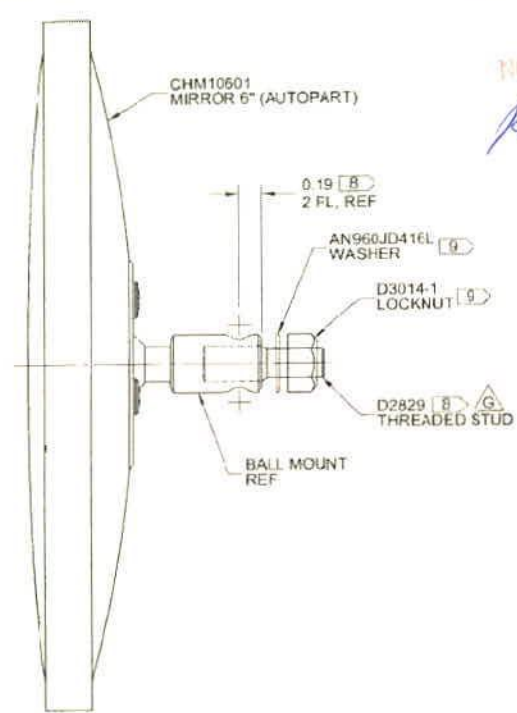
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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

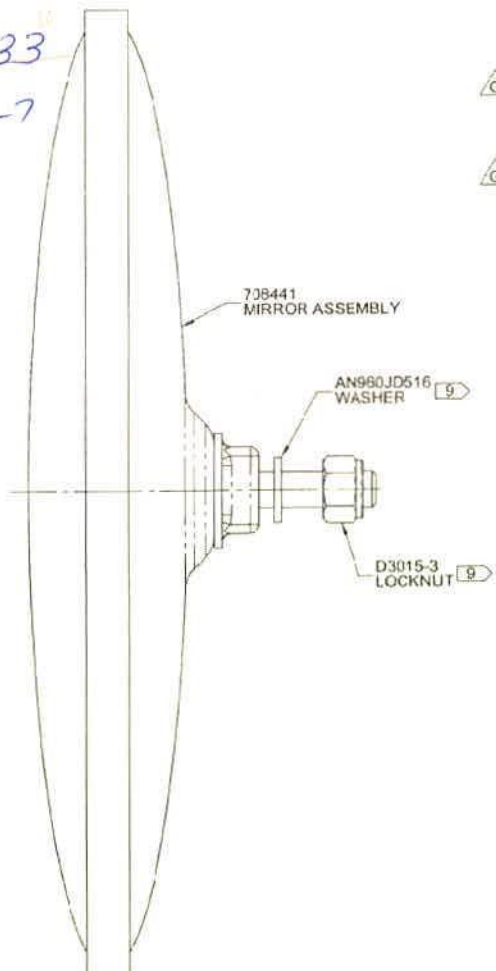


SHOP COPY  
RETURN TO  
1-100-100  
UNION

NO 14133  
R/12027



**D2011-101 MIRROR ASSEMBLY 6"**



**D2011-103 MIRROR ASSEMBLY 8"**

- NOTES:
- 1) MATERIAL N/A
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: NONE
  - 7) WEIGHT: D2011-101 = 0.6 lbs APPROX.; D2011-103 = 1.0 lbs APPROX.
  - 8) D2829 INSTALLATION PROCEDURE:
    - APPLY LOCKTITE 262 TO  $\phi 5/16$  END OF D2829
    - THREAD BY HAND INTO BALL MOUNT UNTIL ENTIRE  $\phi 5/16$  END OF D2829 IS WITHIN BALL MOUNT
    - CRIMP BALL MOUNT ON TWO OPPOSING SIDES, 0.19 FROM END AS ILLUSTRATED USING TOOL DT8317
    - CRIMP TO DEPTH OF 0.040 : 0.010 USING R0.125
  - 9) INSTALL LOOSE

ITEM	QTY -101	QTY -103	P/N	DESCRIPTION
1	X		D2011-101	MIRROR ASSEMBLY 6"
2		X	D2011-103	MIRROR ASSEMBLY 8"
3	1		D2829	THREADED STUD
4	1		D3014-1	LOCKNUT
5		1	D3015-3	LOCKNUT
6	1		CHM10601	MIRROR 6" (AUTOPART)
7		1	708441	MIRROR 8" (VELVAC)
8	1		AN960JD416L	WASHER
9		1	AN960JD516	WASHER

RELEASED  
08-10-2011

G	REDRAWN IN SOLIDWORKS TO CURRENT STANDARD AND TRANSFERRED TO "B" SIZE FORMAT. MIRROR 6" (AUTOPART) AND CHM10601 WERE MIRROR 6" (GROTE) AND P/N 18043 (ZN D3-1). ADDED D2829 (ZN D3-1 AND ZN C6-1). REMOVED DRILLING NOTE, VIEW A-A AND SIKAFLEX APPLICATION NOTE. REASON: GROTE PRODUCT IS DISCONTINUED.	MB	06.10.06
F	ADD HOLES FOR SEALANT ON -101	CP	04.09.10
E	NEW 8" MIRROR	CP	01.05.08
D	NEW 6" MIRROR, ADD NUT, REMOVED STUD	CP	01.04.23
C	REPLACE DOMINION AUTO MIRRORS WITH PHILLIPS, ADDED STUDS, REDRAWN	RF	99.06.01
B	SIKAFLEX 241 ADDED	JB	98.04.09
A	DWG NO. WAS DSP1011, ADDED -103	JB	90.06.15
-	NEW ISSUE	JB	90.03.31
REV	DESCRIPTION	BY	DATE
DESIGN	JB	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA DRAWING NO. <b>D2011</b> TITLE <b>MIRROR ASSEMBLY</b> SCALE <b>NTS</b> COPYRIGHT © 1990 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL. USE IS LIMITED TO THE SUPPLIER CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMPILED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.	
DRAWN			
CHECKED			
MFG APPR			
APPROVED			
DE APPR			
DATE	08.10.06		

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO16133

Purchase Order Date 2/7/2012

PO Print Date 2/8/2012

Page Number 1 of 1

Order From :

VC-AUT001

AUTO PARTS EXTRA  
1000 RUE LANSDOWNE  
HAWKESBURY, ON K6A 1H7  
CA

12-02-8

Contact Name		Buyer	Brigitte Golden
Vendor Phone	613 632 1191	Requisition Nbr	
Vendor Fax	613 632 2350	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	CHM-10601	Mirror 6"	2/7/2012 Yes	50.00 Each	Yours ppd	\$18.9500	\$947.50

Special Inst: As per DWG: D2011  
Rev: G  
B79943

PO Total: \$947.50

Change Nbr: 2

Change Date: 2/8/2012

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable





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TRUCK PARTS • PIÈCES DE CAMION  
PERFORMANCE PARTS • PIÈCES DE PERFORMANCE  
TIRES • PNEUS**

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Past due accounts bear 2% interest per month (24% per annum). If this account is placed with a 3rd party collection, an administrative cost of 25% will be added. All exchanges and refund claims must be accompanied by this invoice. Electrical parts not returnable. All parts returned are subject to 20% handling charge. All merchandise sold on this invoice remains the vendor's property until this invoice is paid in full.  
TERMS: Payment due on 10th day of the following month.

Aucun remboursement sans cette facture. Net 30 jours, 2% de frais d'intérêt par mois (24% par année) sur compte en souffrance. 20% de frais de manutention sur toute marchandise retournée. Clause pénale une indemnité de 25% sera chargée sur compte sujet à des procédures légales. Les marchandises mentionnées sur cette facture demeurent la propriété du vendeur tant qu'elles ne seront pas entièrement payées. Pièces électriques non-retournable.  
TERMS: Compte payable le 10 du mois suivant.

SIGNATURE \_\_\_\_\_

TVQ: 1016330716 TQ0001 — HST / TPS: 10035 3366 RT0001

Thank  
You

1000 RUE LANDSDOWNE HAWKESBURY, ON K6A 1H7  
TEL: (613)632-1191 FAX: (613)632-2350

Merci

WE THANK YOU FOR YOUR BUSINESS

113336 (613)632-5200		EXP 113336		DATE: 2/09/12			
DART AEROSPACE LTD.		*** SAME ***		08:08			
1270 ABERDEEN STREET				111 MLP			
T O A HAWKESBURY ON K6A 1K7				PC 101633			
ORD / COM	SHIP / EXP	CODE	PART No / PIÈCES	DESCRIPTION	LIST / CHACUN	COST / COÛTANT	EXTENSION
50	50	TWD	CHM10601	6 CONV. MIRROR, S/ BOV: TWD	19.26	18.95	947.50
	50	***	DIRECT DE TWD //ici a livre SHIP VIA <i>Sherris</i> 242	PIECES/CORE TOT			
INVOICE No / FACTURE	TYPE / SORTE	TOTAL	DISC / ESC	FRT / TRANS	HST / TPS	TVQ	AMT to PAY / À PAYER
11131039	INVOICE	947.50	0.00	0.00	123.18	0.00	1070.68

82/02/11